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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/737,409	12/15/2000	Seong-Beom Hong	678-567 (P9644)	8811

28249 7590 07/07/2005

DILWORTH & BARRESE, LLP  
333 EARLE OVINGTON BLVD.  
UNIONDALE, NY 11553

EXAMINER

IQBAL, KHAWAR

ART UNIT PAPER NUMBER

2686

DATE MAILED: 07/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)	
	09/737,409	HONG, SEONG-BEOM	
	Examiner	Art Unit	
	Khawar Iqbal	2686	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is FINAL.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____.  |

**DETAILED ACTION**

***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sonnenschein et al (6125080) and further in view of Reynolds (5929777) and Nitta et al (5950127).

Regarding claims 1,7 Sonnenschein et al teaches a device for transmitting SOS signals in a mobile telecommunication terminal (MTT), comprising (figs. 1-3):

a memory for storing code signals of a format corresponding to each of a plurality of SOS phrases (col. 2, lines 41-64);

a user interface for selecting one of the SOS phrases stored in the memory of the MTT (col. 2, lines 41-64, col. 6, lines 55-67, col. 11, line 40-col. 12, line 4);

a control section for selecting the stored code signal corresponding to the selection of a user (col.6, lines 55-67);

a frequency generation section for generating a local oscillating frequency signal of a predetermined bandwidth when in an SOS service mod (col.4, lines 4-18, col. 9, lines 3-35, col. 7, lines 27-49); and

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a frequency modulation section for modulating a frequency of the selected code signal of the corresponding format by inputting the local oscillating frequency signal of the predetermined bandwidth, wherein the MTT transfers to the SOS service mode when the user requests emergency assistance and when the MTT is in a "No Service Area" (col. 3, line 64-col. 4, line 18, col. 9, lines 3-35, col. 7, lines 27-49). Sonnenschein et al does not specifically teach for communicating with an other MTT via a base station when not in the SOS service mode and when the MTT cannot communication via the base station.

In an analogous art, Reynolds teaches for communicating with an other MTT via a base station when not in the SOS service mode (col. 3, lines 45-64, col. 6, lines 14-47). A radio receiver of beacon unit receives message transmitted on a radio frequency communication channel, from central base control (102). The received message is stored in the message storage device. The signaling device generates coded infrared distress signal (114) to convey message corresponding to receive information to a locator device (116) housed in portable units.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the device of Sonnenschein et al by specifically adding feature for communicating with an other MTT via a base station when not in the SOS service mode in order to enhance system performance as taught by Reynolds. Reynolds does not specifically teach when the MTT cannot communication via the base station.

In an analogous art, Nitta et al teaches when the MTT cannot communication via the base station (col. 11, line 50-col. 12, line 20).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the device of Sonnenschein et al and Reynolds by specifically adding feature the when the MTT cannot communication via the base station in order to enhance system performance the first communication mode and the second communication mode are switched based on the parameters (areas beyond reaches of signal sent from a base station) of the information received by the mobile station as taught by Nitta et al.

Regarding claims 2 and 8 Sonnenschein et al teaches wherein the user interface provides a sentence editing function for editing the SOS phrases (col. 11, line 40-col. 12, line 5).

Regarding claims 3 and 9 Sonnenschein et al teaches wherein the frequency bandwidth is a bandwidth used by rescue teams (col. 3, lines 53-col. 4, line 18, col. 12, lines 55-67).

Regarding claims 4 and 10 Sonnenschein et al teaches wherein the frequency bandwidth is a high frequency bandwidth (col. 3, lines 5-11).

Regarding claims 5 and 11 Sonnenschein et al teaches wherein the frequency generation section generates a predetermined frequency allotted for an SOS service in the mobile telecommunication terminal (col. 3, line 53-col. 4, line 18, col. 9, lines 3-35).

Regarding claims 6 and 12 Sonnenschein et al does not specifically teach wherein the code of the corresponding format is Morse code. Sonnenschein et al

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teaches the communication device includes a demodulator for demodulating received modulated signals to produce a demodulated string. A decoder is used for decoding a message from the demodulated string. A display displays a received message and an identification code of a transmitter.

In an analogous art, Reynolds teaches wherein the code of the corresponding format is Morse code (col. 4, lines 24-26, col. 6, lines 53-54).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the device of Sonnenschein et al by specifically adding features in order to enhance system performance of the code of the corresponding format is Morse code purpose of increasing the efficiency of system as taught by Reynolds.

### ***Response to Arguments***

Applicant's arguments filed 5-25-05 have been fully considered but they are not persuasive. Examiner has thoroughly reviewed applicant's arguments but firmly believes the cited reference to reasonably and properly meets the claimed limitations. Applicants argument was that "wherein the MTT transfers to the SOS service mode when the user requests emergency assistance and when the MTT is in a "No Service Area" ". In response, examiner would like to point out that Sonnenschein et al teaches wherein the MTT transfers to the SOS service mode when the user requests emergency assistance and when the MTT is in a "No Service Area" (col. 3, line 64-col. 4, line 18, col. 9, lines 3-35, col. 7, lines 27-49).

### **Conclusion**

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Khawar Iqbal whose telephone number is (571) 272-7909.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Marsha D. Banks-Harold can be reached on (571) 272-7905. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free) or 703-305-3028.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist/customer service whose telephone number is (571) 272-2600.

*Khawar Iqbal*

*Marsha D Banks-Harold*  
MARSHA D. BANKS-HAROLD  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600